

4000

2



4000

Form 504
DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

State: Miss

11-5613

DESCRIPTIVE REPORT.

Hyd Sheet No. 4000

LOCALITY:

Miss Sound

191 7

CHIEF OF PARTY:

? Serans ?
~~Serans~~

DESCRIPTIVE REPORT
to accompany
HYDROGRAPHIC SHEET ("C") 4000

The area on this sheet includes that portion of Mississippi Sound lying between Gulfport and Cat and Ship Islands, the approaches to Ship Island channel between Ship Island and Chandeleur Island and the area immediately west of Chandeleur Island and between Chandeleur Island and Isle au Pitre.

The coast line on the main land is low and wooded. The town of Gulfport is situated about the middle of the northern edge of the sheet. The entire coast line along the north shore of Mississippi Sound is settled and built up between Pass Christian and Biloxi. This coast is both a summer and a winter resort.

The outlying islands on this sheet are Cat Island, Ship Island, and the northern portion of Chandeleur Islands. Chandeleur Island as shown on the present chart is one island. The present survey has shown that this is a series of small islands separated by small bayous of varying widths and depths. The immediate vicinity of Cat Island is exceedingly foul especially off the western end. The shoal extending in the prolongation of South Spit, Cat Island, occupies about the same position as shown on the present chart but extends a little farther seaward.

The western end of Ship Island ends in a shoal extending out to the entrance buoy marking the entrance to the slough along the north shore of this island. The eastern end of Ship Island has been washed by the hurricanes and storms of recent years until it is now covered at about half tide. The only portion of it remaining above low water is in the immediate vicinity of triangulation station Ship 1910.

The shoal waters around Chandeleur Islands are about as shown on the present charts.

Spade Fish shoal lies just west of the southern end of the dredged channel from Gulfport Harbor. This shoal is marked by a buoy on its northern edge but is not marked well for a vessel bound in or out and not in the dredged channel.

Phoenix Spit off the southern end of South Spit, Cat Island has a least depth of 8 feet and vessels should give this point a good berth!

A range for the best water approaching Ship Island channel is maintained just west of Ship Island Light House. A channel buoy marks the beginning of this range, the turning point is marked by a black can buoy with a bell buoy on the eastern side of the channel at that point. Entrance buoys mark the entrance to the slough along the north shore of Ship Island. This slough to be followed until the vessel reaches the range marking the dredged channel. Spar buoys mark the northern edge of the shoal water north of Ship Island.

The War Department maintain a dredged channel into Gulfport Harbor. This channel extends only about 10 miles south of the end of the pier in Gulfport Harbor and is marked by beacons and buoys placed on the eastern side of the channel. The cross currents of the sound continually fill this channel and while it is dredged to a depth of 28 feet, this filling, and the waters between the channel and the slough north of Ship Island prevent a vessel drawing more than 21 feet from entering the harbor.

2.

The only good anchorage in this vicinity is off the western end of Ship Island. Vessels may anchor here in 25 feet of water, soft bottom, excellent holding ground.

Halfport Harbor, while it protected by a breakwater, is a very rough body of water in a South-east blow. During gales and hurricanes the breakwater is submerged and small vessels have a hard time lying alongside the dock. A great many vessels of even moderate size have been wrecked in this harbor.

The launch hydrography on this sheet was done by Mr. I. H. Bailey and Mr. Gardiner Luce. The latter named officer doing the developing of the shoals on the south side of Cat Island and running the channel lines north of Cat Island. The ship hydrography was done largely under my personal direction.

N. A. Swan,
Chief of Party.

Statistics Sheet No. C. 4000

Date 1917	Letter	Volume	Positions	Sounds	Miles Statute	Vessels
Feb. 21	a	1	58	668	12.5	Launch 51
23	b	1	46	492	6.5	"
24	c	182	141	1611	32.0	"
26	d	2	135	1325	30.0	"
27	e	283	136	1318	30.5	"
Mar 1	f	3	31	236	5.0	"
2	g	3	50	248	10.0	"
7	h	3	78	670	15.0	"
8	H	4	20	285	5.0	"
10	L	4	110	1113	27.0	"
12	m	4	69	631	15.0	"
13	n	485	71	593	15.0	"
14	o	5	83	793	18.0	"
15	p	5	57	577	12.5	"
21	q	5	98	906	23.5	"
23	r	6	7	55	1.0	"
26	s	6	6	47	1.0	"
29	t	6	136	1345	29.5	"
30	u	687	148	1269	37.0	"
Apr. 2	v	7	110	968	13.0	"
6	w	7	92	907	19.0	"
July 9	A	8	43	352	10.3	Hydrographer
10	B	8	131	1028	36.0	"
11	C	889	160	1401	46.5	"
13	D	9	133	1128	36.0	"
26	E	9810	126	911	35.0	"
27	F	10	101	817	30.7	"
28	G	10	68	504	18.5	"
31	H	11	86	708	24.0	"
Aug 1	J	11	140	956	40.5	"
7	K	12	159	1335	40.5	"
8	X	13	106	1032	23.5	Launch 51
10	L	14	100	714	33.8	Hydrographer
11	Y	13	31	330	7.0	Launch 51
28	M	14	12	32	1.0	Hydrographer
29	N	14	105	810	31.0	"
Total carried for'd.			3183	28115	771.8	

Date 1917	Letter	Volume	Positions	Sound-ings	Miles Statute	Vessels
Total brought for'd.			3183	28115	771.8	
Aug 30	P	14	93	857	29.0	Hydrographer
31	Q	15	129	1173	39.5	"
Sept. 6	R	15816	159	1414	40.0	"
7	S	16	139	1125	36.5	"
11	T	16817	151	1228	30.5	"
20	U	18	75	478	20.1	"
21	V	18	132	913	41.0	"
Total			4061	35303	1008.4	

Soundings recorded in fathoms and feet.

Plane of reference 3.7

Lowest tide observed 2 feet on Feb. 2, 1917.

Highest tide observed 6.6 feet on Dec. 26, 1916

Automatic Tide Gauge at Bay St. Louis, Miss.

ADDRESS
U. S. COAST AND GEODETIC SURVEY
WASHINGTON, D. C.

REFER TO NO.

5-EMK

DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

WASHINGTON

June 8, 1918.

LIBRARY

Place with descriptive report
of hydrographic sheet No. 4000

Drawing Section. *F*

CHARTS' (H)

Division of *✓* Hydrography and Topography: *HC9*

Division of Charts:

Tidal reductions have been approved in
18 volumes of Sounding Records for

HYDROGRAPHIC SHEET 4000

Mississippi Sound, Gulf Coast
H. A. Seran in 1917

Plane of reference is
Mean low water, reading

3.7 ft. on staff at Bay St. Louis,
Mississippi.

L. P. Shidy

Acting Chief, Section of
Tides and Currents.

applied to Draw 877, Feb 1948 H✓

Applied to Chart 876. Jan Feb, 1948 M.M.R. ✓ was 11/2/48
✓ ✓ ✓ 8